

STACK - Place Data/Commands on the Stack

This Natural profile parameter is for:

- mainframes
- UNIX/OpenVMS and Windows

It is used to place data/commands on the Natural stack.

Note:

If STACK is used, the parameters DC, HI, IA and ID must not be set to ":" or ";".

Mainframes

Possible settings	any character string	See below.
Default setting	HELLO	
Dynamic specification	YES	
Specification within session	NO	

The stack can contain a sequence of Natural commands and/or user-specified commands, together with their data, for execution at the beginning of the Natural session.

The command stack is processed before the user is prompted for input on the screen (TP mode) or data are read from CMSYNIN/CMOBJIN files (batch mode).

If an INPUT statement is encountered during stack processing, the corresponding input screen is generated only if the required input data were not supplied with the command when the stack was created. Any reports generated during stack processing are displayed as usual.

Each system or user-defined command can be optionally followed by data which are used to satisfy requests for information required during the processing of the command. The character string provided as data for the STACK parameter must be enclosed in parentheses. If the command is a user command (that is, the name of a user program), any data provided resolve the data requirements of INPUT statements within the user program.

Conventions:

- Multiple settings for one INPUT statement are separated by a comma (,).
- Data for multiple INPUT statements are separated by a colon (:).
- Commands are separated by a semicolon (;).

Examples:

```
STACK=(LOGON USER1;UCMD1 A,B;UCMD2 C,D;E;FIN)
```

```
STACK=OFF
```

No STACK data.

```
STACK=UCMND Execute command UCMND
```

No embedded blanks).

```
STACK=(CMD DATA:DATA;CMD...)
```

Place commands/data on stack.

Since some commands (for example, GLOBALS) do not read parameters by INPUT, a blank character should be used rather than a colon to delimit a command from the first parameter data element.

```
STACK='LOGON SYSTEM'
```

Because the macro assembler does not allow embedded blanks within parentheses, the character string must be enclosed in apostrophes when specified as static parameter.

UNIX/OpenVMS and Windows

Possible settings	any character string	
Default setting	none	
Dynamic specification	YES	
Specification within session	NO	

This parameter is used to place data/commands on the Natural command stack. The amount of data to be passed with this parameter is limited to 512 bytes. If this limit is exceeded, a corresponding error message is returned.

The stack can contain a sequence of Natural commands and/or user-specified commands, together with their data, for execution at the beginning of the Natural session. The command stack is processed before the user is prompted for input on the screen.

If an INPUT statement is encountered during stack processing, the corresponding input screen is generated only if the required input data were not supplied with the command when the stack was created. Any reports generated during stack processing are displayed as usual.

Each system or user-defined command can be optionally followed by data which are used to satisfy requests for information required during the processing of the command. If the command is a user command (that is the name of a user program), any data provided resolve the data requirements of INPUT statements within the user program.

Multiple settings for one INPUT statement are separated by a comma. Data for multiple INPUT statements are separated by a colon (:). A semicolon (;) is used to delimit multiple commands.

Examples:

```
LOGON:USER1;UCMD1 A,B;UCMD2 C,D:E;FIN
```

Logs on to the library USER1, executes the commands UCMD1 and UCMD2 providing the corresponding input data, and ends the Natural session.

```
CMD DATA:DATA;CMD
```

Places commands and data on stack. Since some commands (for example, GLOBALS) do not read parameters by INPUT, a blank character should be used rather than a colon to delimit a command from the first parameter data element.

If specified dynamically, the character string provided as data for the STACK parameter must be enclosed in apostrophes; if the character string contains multiple commands, it must also be enclosed in parentheses.

Example:

```
STACK="(logon system)"
```

Logs on to the library SYSTEM and executes the command UCMND.